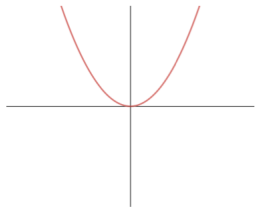


11th July

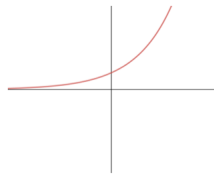


Corbettmaths

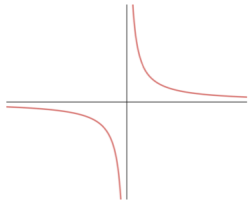
Graph A



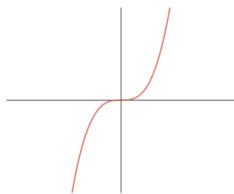
Graph B



Graph C



Graph D



$y = x^2$ is graph **A**

$y = x^3$ is graph

$y = 2^x$ is graph

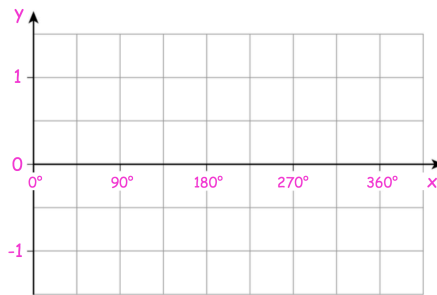
$y = \frac{1}{x}$ is graph

For all the values of x

$f(x) = x - 180$

$g(x) = \cos x$

Draw the graph of the function $y = gf(x)$ for $0^\circ \leq x \leq 360^\circ$



A sequence of numbers is formed by the iterative process

$a_{n+1} = (a_n)^2 - 10$

$a_1 = 3$

Find a_3

There are 20 sweets in a box. There are y chocolate sweets and the rest of the sweets are mints.

Florence takes out two sweets, at random, from the box.

Find an expression, in terms of y , for the probability that Florence takes two mint sweets.